

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) A composite material comprising:
 - a fiber-reinforced resin layer part including a plurality of fiber-reinforced resin layers in different fiber arrangement directions, the layers being laminated with each other;
 - a metal layer made of a structural metal material, which is disposed between the fiber-reinforced resin layer parts; and
 - a resin layer which attaches the metal layer and the fiber-reinforced resin layer part to each other.
2. (Original) A composite material according to Claim 1, wherein
 - the metal layer is made of shape-memory alloy; and
 - the resin layer and the fiber-reinforced resin layer part are laminated on the metal layer to which a strain is previously imparted.
3. (Amended) A composite material according to Claim 1, wherein
 - the fiber-reinforced resin layer part ~~is composed of~~ includes n sheets of fiber-reinforced resin layers; and
 - the fiber-reinforced resin layers are laminated such that a minimum angle between the fiber-reinforced resin layers in a fiber arrangement direction is $180/n$ degrees.
4. (Original) A composite material according to Claim 1, wherein the fiber-reinforced resin layer part includes:
 - a first fiber-reinforced resin layer in which fibers are arranged to extend perpendicular to a certain direction of the metal layer;
 - a second fiber-reinforced resin layer laminated on the first fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of -45 degrees relative to a certain direction of the metal layer;

a third fiber-reinforced resin layer laminated on the second fiber-reinforced resin layer, in which fibers are arranged to extend along a certain direction of the metal layer; and

a fourth fiber-reinforced resin layer laminated on the third fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of 45 degrees relative to a certain direction of the metal layer.

5. (Amended) A method of manufacturing a composite material ~~comprising the steps of~~ which comprises:

imparting a strain to a shape-memory alloy foil;

laminating a resin layer on each surface of the shape-memory alloy foil;

laminating a plurality of uncured fiber-reinforced resin layers on the resin layer;

securing both ends of the shape-memory alloy foil to prevent a length of the foil from being changed; and

heating the shape-memory alloy foil to cure the resin layer and the fiber-reinforced resin layers.

6. (New) A composite material according to Claim 2, wherein

the fiber-reinforced resin layer part includes n sheets of fiber-reinforced resin layers; and

the fiber-reinforced resin layers are laminated such that a minimum angle between the fiber-reinforced resin layers in a fiber arrangement direction is $180/n$ degrees.

7. (New) A composite material according to Claim 2, wherein the fiber-reinforced resin layer part includes:

a first fiber-reinforced resin layer in which fibers are arranged to extend perpendicular to a certain direction of the metal layer;

a second fiber-reinforced resin layer laminated on the first fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of -45 degrees relative to a certain direction of the metal layer;

a third fiber-reinforced resin layer laminated on the second fiber-reinforced resin layer, in which fibers are arranged to extend along a certain direction of the metal layer; and

a fourth fiber-reinforced resin layer laminated on the third fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of 45 degrees relative to a certain direction of the metal layer.

8. (New) A composite material according to Claim 3, wherein the fiber-reinforced resin layer part includes:

a first fiber-reinforced resin layer in which fibers are arranged to extend perpendicular to a certain direction of the metal layer;

a second fiber-reinforced resin layer laminated on the first fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of -45 degrees relative to a certain direction of the metal layer;

a third fiber-reinforced resin layer laminated on the second fiber-reinforced resin layer, in which fibers are arranged to extend along a certain direction of the metal layer; and

a fourth fiber-reinforced resin layer laminated on the third fiber-reinforced resin layer, in which fibers are arranged to extend at an angle of 45 degrees relative to a certain direction of the metal layer.